



NCDOT Prioritization 3.0 Project Summary

SPOT ID: H090835

Mode: Highway

Status: Submitted

(New Route - Black Mountain Southeast Connector)

From/Cross Street: NC 9

Specific Improvement Type: 5 - Construct Roadway on New Location

To: US 70 Business (Slate Street), SR 2522 (McCoy Cove Road)

Project Category: Division Needs

Length: 0.64

TIP#:

Fully Funded in Draft STIP? No

Cost to NCDOT: \$6,564,000

Description:

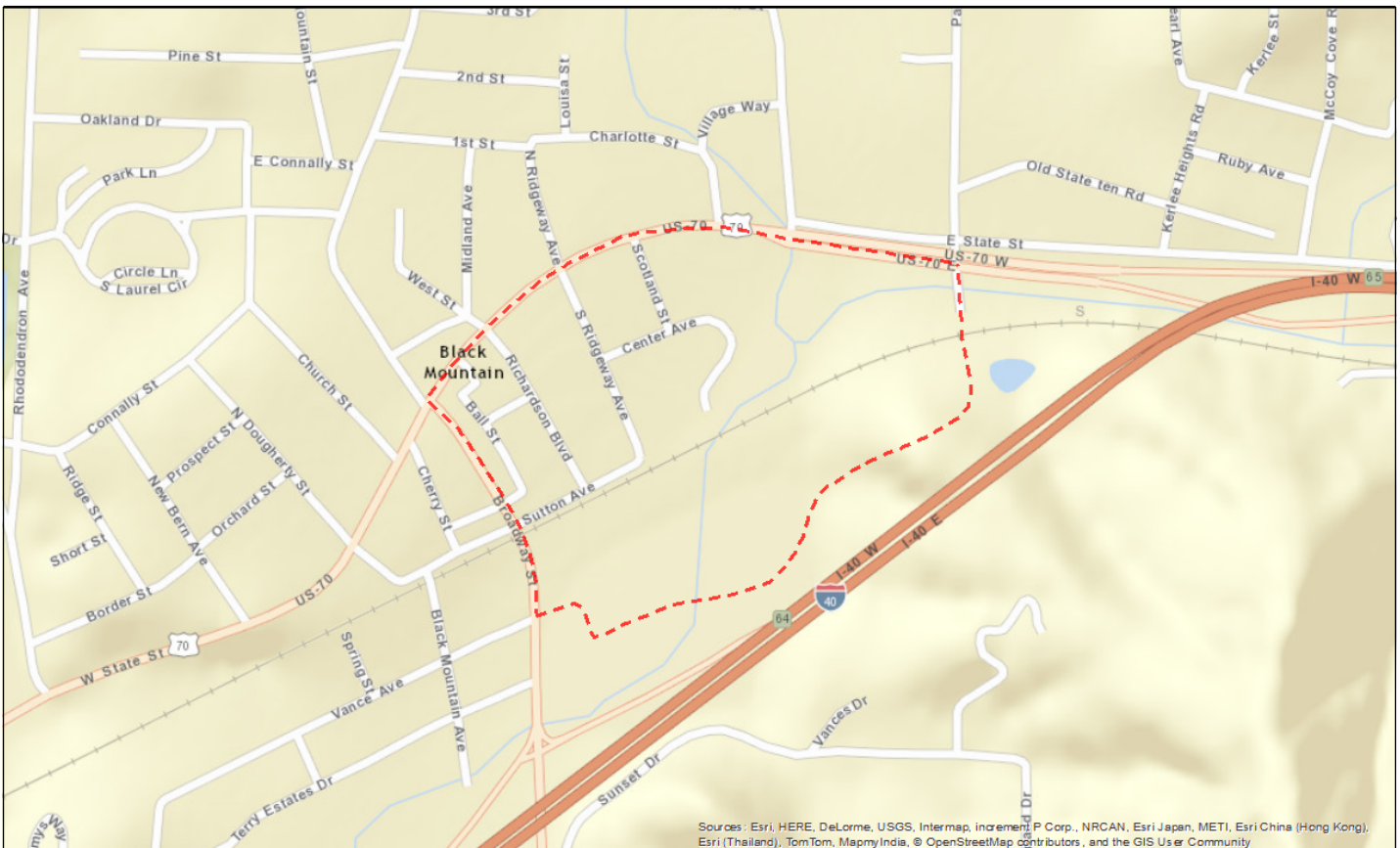
Black Mountain Southeast Connector - New Route

Division(s): Division 13

County(s): BUNCOMBE

MPOS(s)/RPO(s): French Broad River MPO

Project Location



Statewide Mobility Total Score: 0

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Totals: Weight: 0% Weighted Score: 0	N/A	N/A

Regional Impact Total Score: 0

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Totals: Weight: 0% Weighted Score: 0	Percent: 15% Points: 0	Percent: 15% Points: 0

Division Needs Total Score: 34.4

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (20%) 33.95 Safety (10%) 20.99 [Travel Time] Benefit/Cost (20%) 2.56 Totals: Weight: 50% Weighted Score: 9.4	Percent: 25% Points: 0	Percent: 25% Points: 100

Project Data ***Existing Conditions**

Existing Cross-Section:	
Speed Limit:	26
Length (miles):	0.8
Facility Type:	Arterial
Access Control:	None
Functional Classification:	Other Principal Arterial
Terrain Type:	Rolling
Lane Width:	12
Paved Shoulder Width:	0
Roadway has Curb & Gutter?	Yes
Volume (AADT):	8088.89
Capacity:	15800
Volume/Capacity Ratio:	0.51
% Autos:	94%
% Trucks:	6%
Truck Volume:	505.56
Crash Density:	14.44
Crash Severity:	24.27
Critical Crash Rate:	24.27
Crash Frequency:	0
Severity Index:	0
County Tier Designation:	3
Non-Interstate STRAHNET Route?	No
Average Commuting Time:	21
Existing Median Type (for Cost Estimation):	Undivided
Pavement Condition Rating:	68
Actual Congested Speed:	16.8
Travel Time Index:	1.06

Project Benefits

Project Cross-Section:	2E - 2 Lane Undivided with Curb & Gutter, Bike Lanes, and Sidewalks
Speed Limit:	25
Length (miles):	0.64
Facility Type:	Arterial
Access Control:	None
Functional Classification:	Other Principal Arterial
Terrain Type:	Rolling
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	4
Travel Time Savings for 30 Years (Total):	744893.25
Travel Time Savings for 30 Years (Autos):	698337.42
Travel Time Savings for 30 Years (Trucks):	46555.83
Long-Term Employment:	
% Change in Economy:	
Provides Direct Connection to Transportation Terminal?	No
Does project upgrade how the roadway functions?	No
In CTP or LRTP?	No
CTP/LRTP Name:	
CTP/LRTP Completion Year:	
Submitted by:	Division 13

* Data reflects calculations which include weighted averages (where applicable) and represent raw output from the Department's SPOT On!line tool and associated databases.

Project Ownership**Division**

Division	Percent	Regional Impact	Division Needs
Division 13	100%	0	0
	0%	0	0
	0%	0	0
TOTAL Division Points		0	0

MPO/RPO

MPO/RPO	Percent	Regional Impact	Division Needs
French Broad River MPO	100%	0	100
	0%	0	0
	0%	0	0
TOTAL MPO/RPO Points		0	100

Project Cost and Source

Construction Cost:	\$5,130,000	TIP Unit
Right-of-Way Cost:	\$1,280,000	Cost Estimation Tool
Utilities Cost:	\$154,000	Cost Estimation Tool
Total Project Cost:	\$6,564,000	
Other Funding:	\$0	None
Cost to NCDOT :	\$6,564,000	